

IMPROVEMENT OF ETHANOL PRODUCTION FROM LIGNOCELLULOSE

ABSTRACT

This invention presents a method of improving enzymatic degradation of lignocellulose, as in the
5 production of ethanol from lignocellulosic material, through the use of ultrasonic treatment. The invention shows that ultrasonic treatment reduces cellulase requirements by $1/3$ to $1/2$. With the cost of enzymes being a major problem in the cost-effective production of ethanol
10 from lignocellulosic material, this invention presents a significant improvement over presently available methods.

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